



Sikaset[®] CL

Plasticising Accelerator

Technical Data Sheet

DESCRIPTION

Sikaset CL is a calcium based accelerating liquid, incorporating a PHC based plasticiser. This material contains calcium chloride and therefore should not be used with reinforced concrete.

Sikaset CL conforms to BS5075: Part 1: 2982 for accelerating admixtures.

ADVANTAGES

- * **Sikaset CL** in concrete gives a quick setting and rapid hardening effect so that high early strengths may be obtained.
- * The effect of **Sikaset CL** varies with quantity used, ambient temperature, temperature of the concrete, age of the cement, richness of the mix and water content of the concrete.
- * Preliminary trials should be carried out to establish the proportions necessary to obtain the required degree of acceleration of rate of setting and hardening.
- * Typical tests have shown for example, that in a concrete mix containing OPC at 360kg per cubic metre incorporating **Sikaset CL** at a dosage of 1.5 litres per 50kg cement, the concrete strengths were three times the strengths of the control mix at one and three days.

Technical Data (typical)

Form:	Liquid
Colour:	Clear/Light brown
Specific gravity:	1.34
Chloride content: % w/w:	21%±2%
Effect on setting:	Accelerated

All above values are approximate.



METHOD OF USE

If possible add the **Sikaset CL** with the gauging water. Alternatively, the **Sikaset CL** may be incorporated immediately following the addition of the gauging water.

DOSAGE

Approximately 2-4% by weight of cement (1-2 litres/50kg of cement). When used at a dosage of 1.5 litres per 50 kg of cement, this will give an anhydrous calcium chloride content of 1.4% by weight of cement.

COMPATIBILITY:

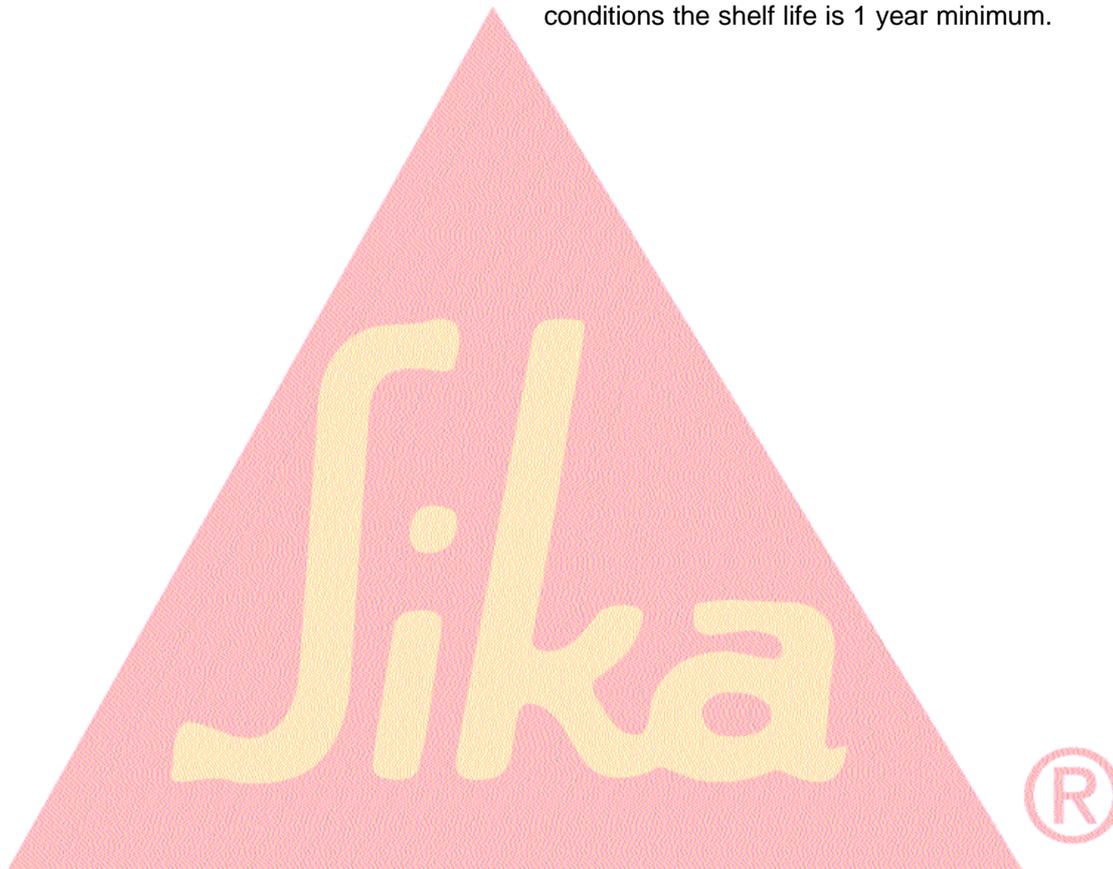
All cements.

PACKAGING

Sikaset CL is supplied in 25 litre and 200 litre containers . Bulk deliveries can be arranged.

STORAGE AND SHELF LIFE

Sikaset CL should be stored in sealed containers between - 4°C and 40°C and protected from frost. Under these conditions the shelf life is 1 year minimum.



Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

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